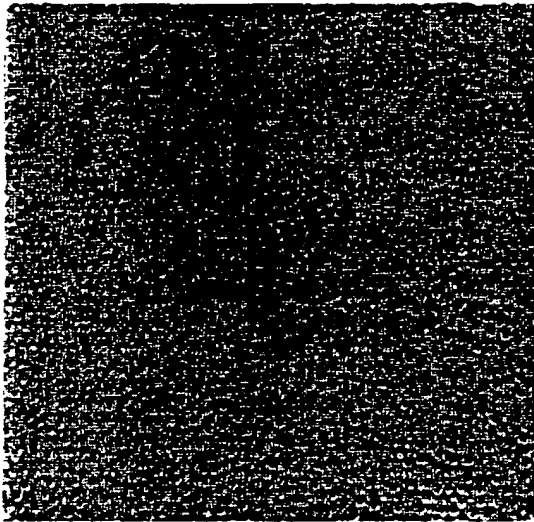
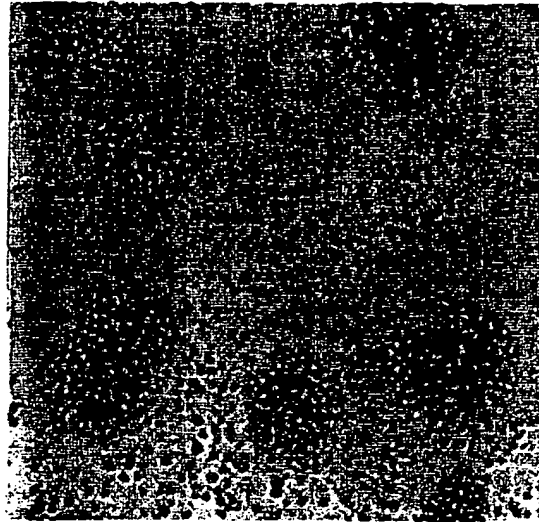


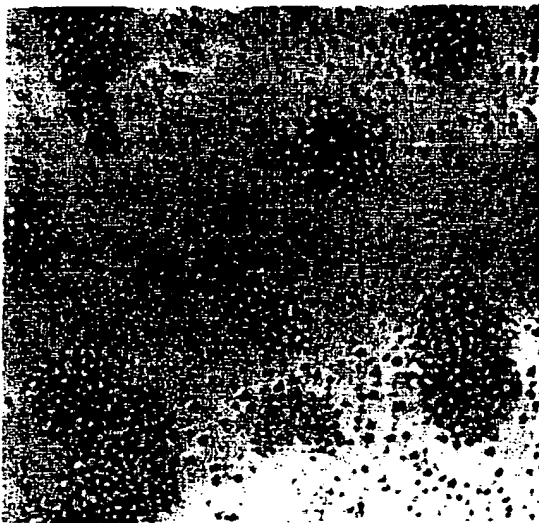
Figure 1



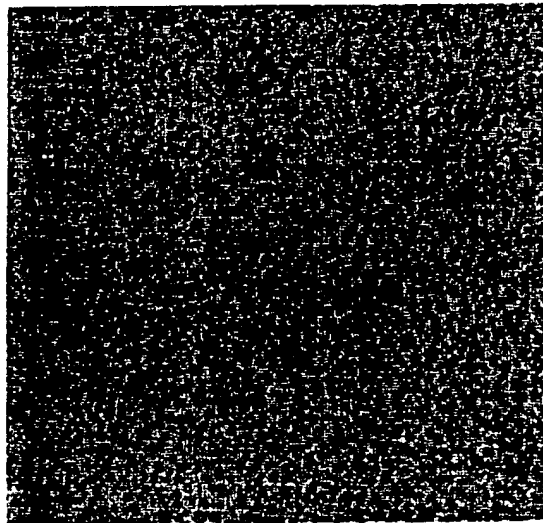
(a)



(b)



(c)



(d)

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Figure 2

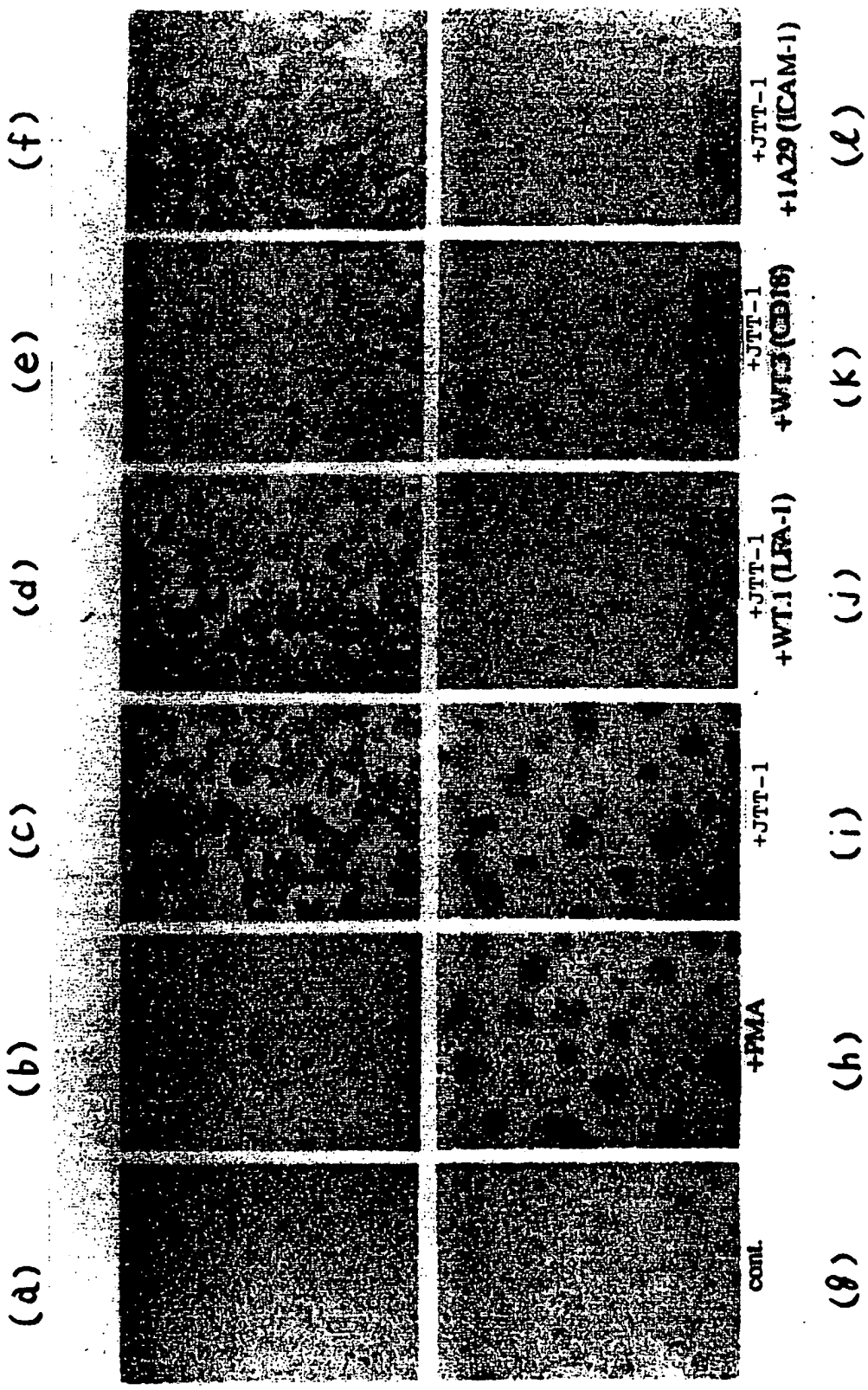


Figure 3

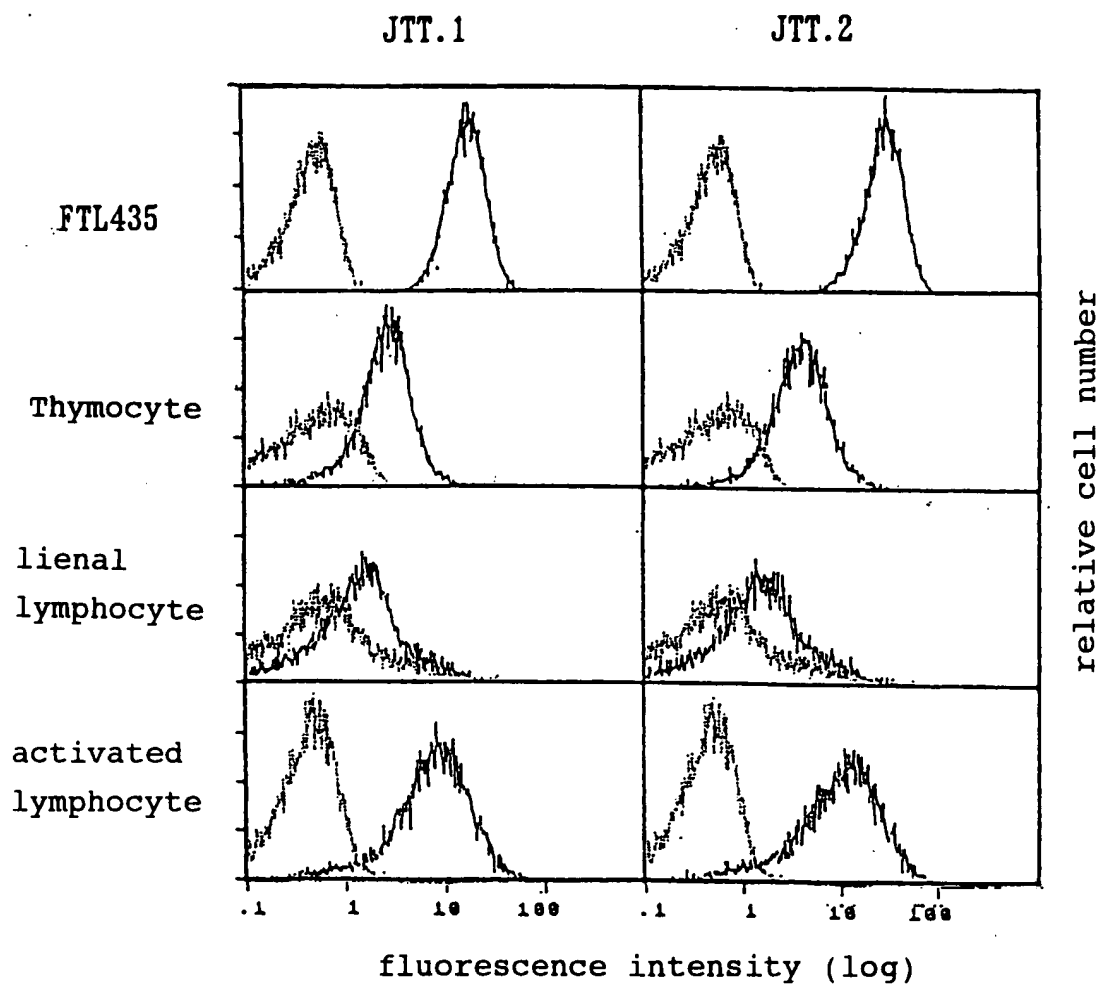


Figure 4

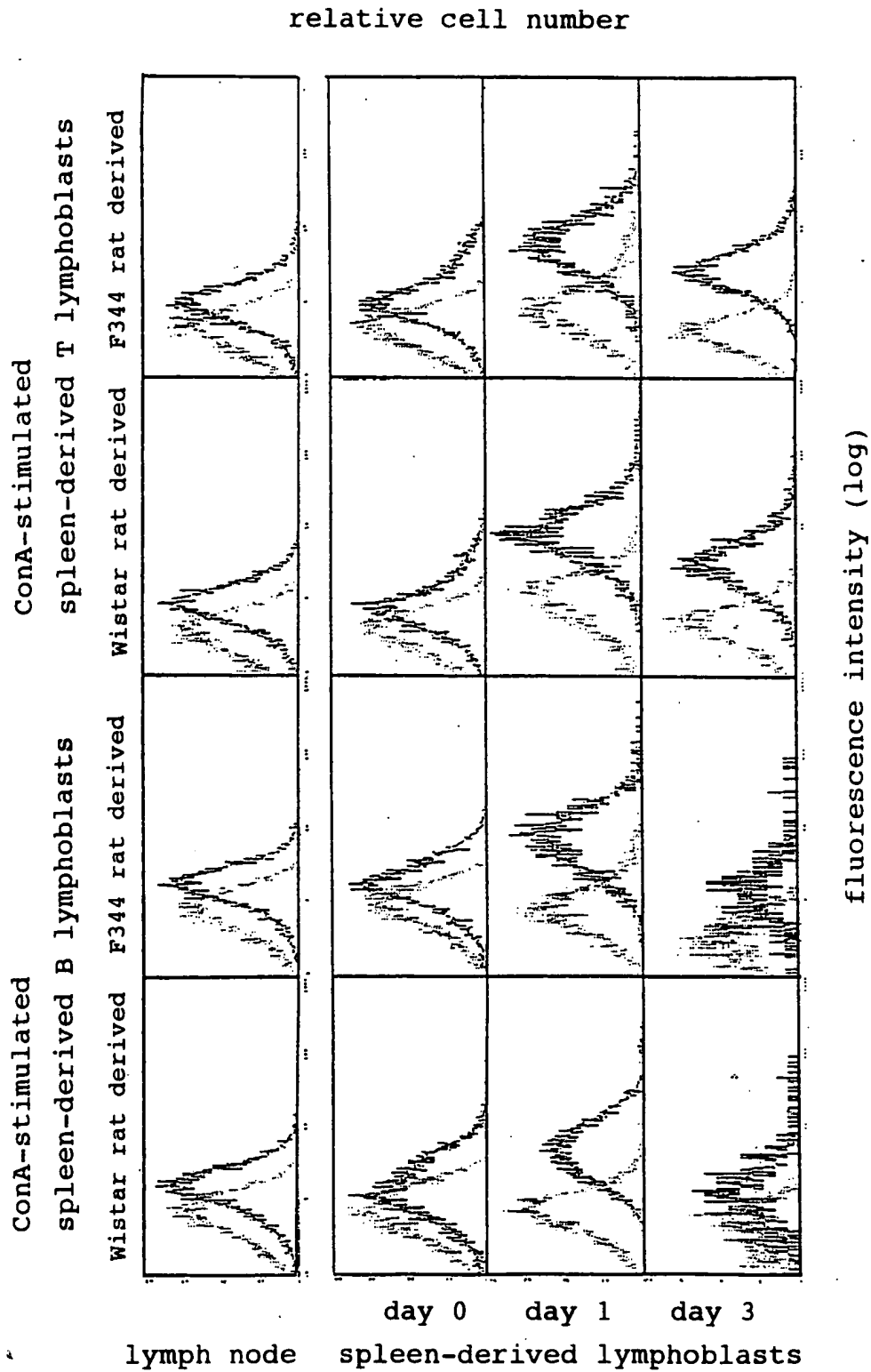
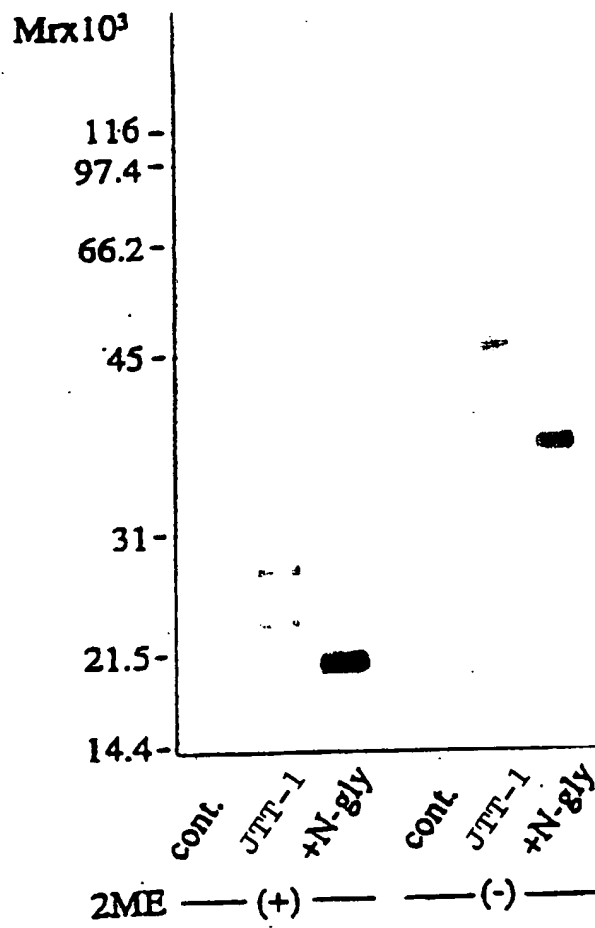
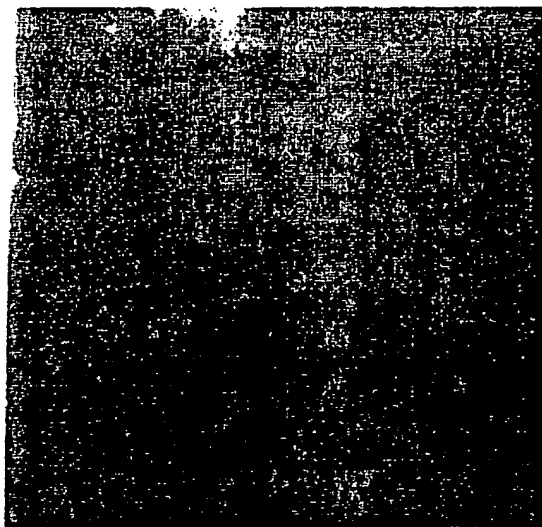


Figure 5

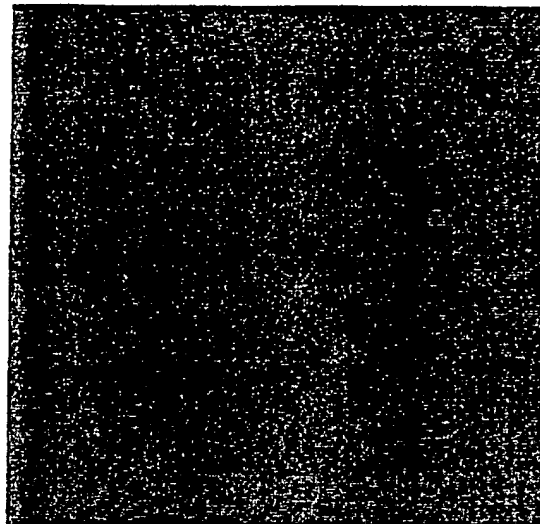


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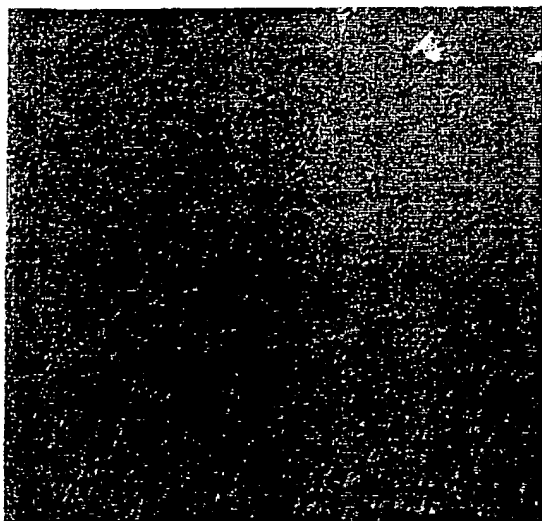
Figure 6



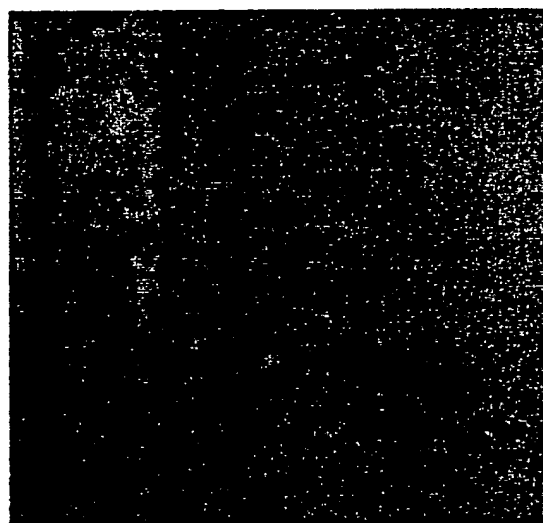
(a)



(b)



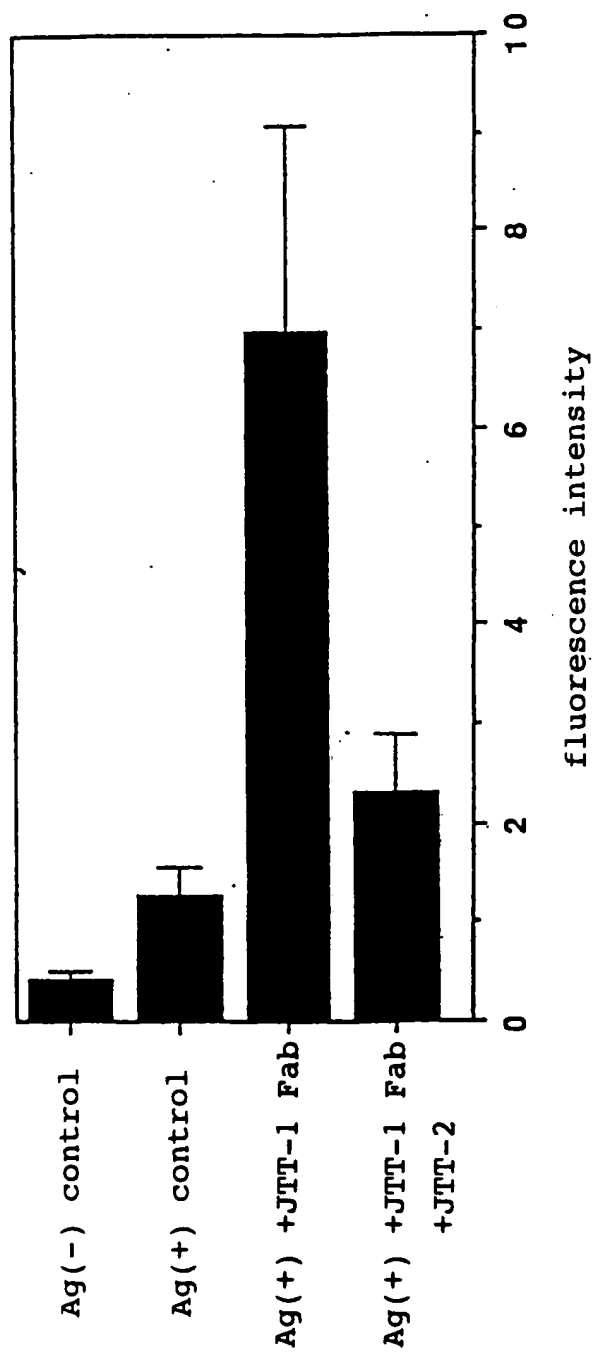
(c)



(d)

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Figure 7



669280" T55E8E60

Figure 8

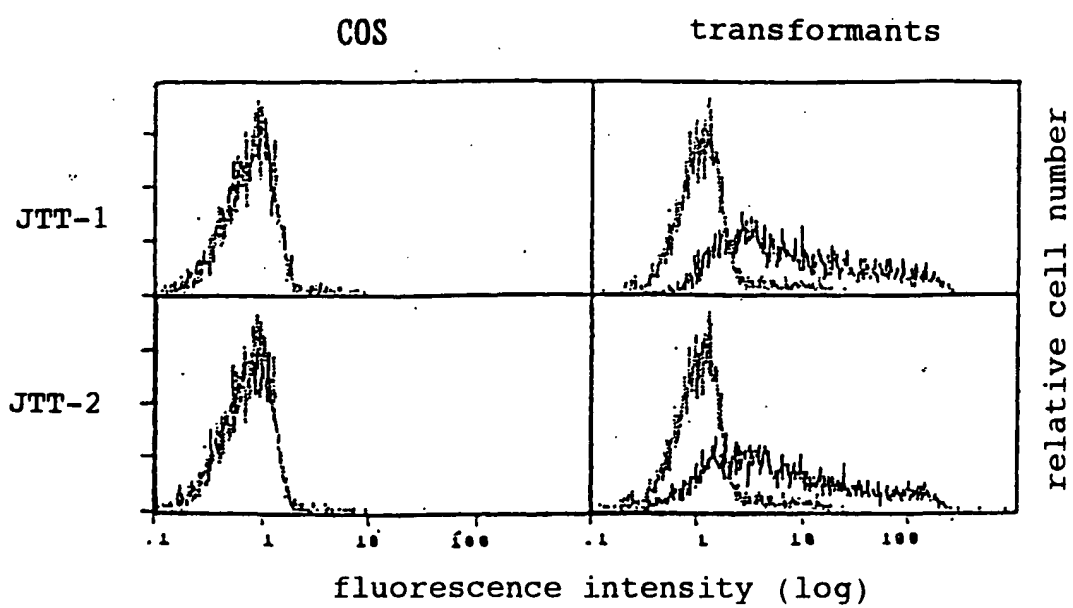


Figure 9

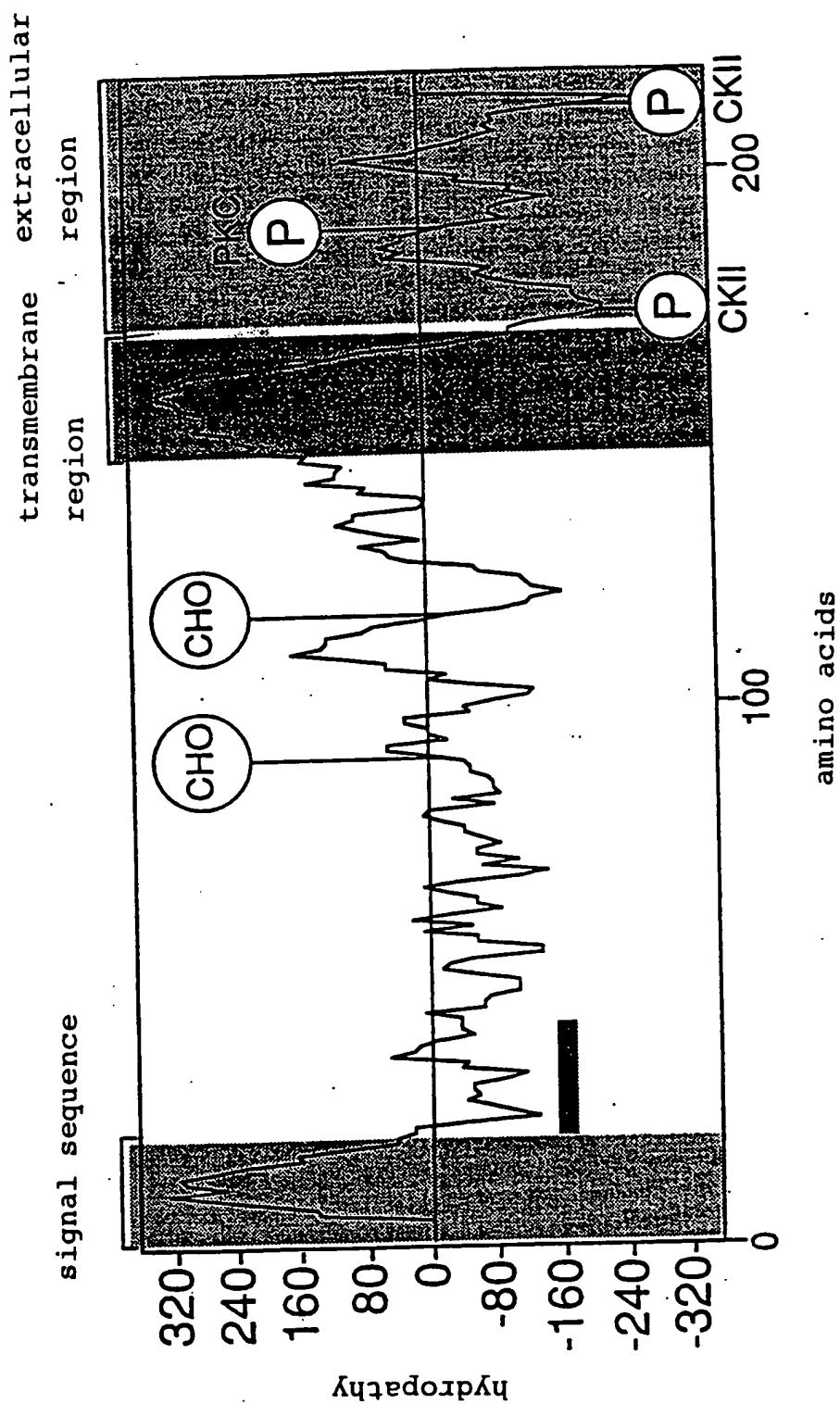


Figure 10

[illegible]

human	M	K	S	G	L	W	Y	F	F	L	F	C	L	R	I	K	V	L	T	G	E	I	N	G	S	A	N	Y	E	M	F	I	F	H	N	G	G	V	Q	I	L	C	K	Y	P	D	I	V	Q	Q	50			
rat	M	K	P	Y	P	S	C	V	F	V	V	F	C	P	L	I	K	L	T	G	E	L	N	D	L	A	N	H	R	M	F	S	F	H	D	G	G	V	Q	I	S	C	N	Y	P	E	T	V	Q	Q	50			
rat mutant	M	K	P	Y	P	S	C	V	F	V	V	F	C	F	L	I	K	L	T	G	E	L	N	D	L	A	N	H	R	M	F	S	F	H	D	G	G	V	Q	I	S	C	N	Y	P	E	T	V	Q	Q	50			
mouse	M	K	P	Y	P	F	C	H	V	F	V	F	C	F	L	I	R	L	L	T	G	E	I	N	G	S	A	D	H	R	M	F	S	F	H	N	G	G	V	Q	I	S	C	K	Y	P	E	T	V	Q	Q	50		
consensus	M	K	P	Y	F	.	.	V	F	V	.	F	C	F	L	I	K	L	T	G	E	.	N	.	A	N	H	R	M	F	S	F	H	.	G	G	V	Q	I	S	C	.	Y	P	E	T	V	Q	Q	50				
human	F	K	M	Q	L	L	K	G	G	Q	Q	I	L	C	D	L	T	K	T	K	G	S	G	N	T	V	S	I	K	S	L	K	F	C	H	S	Q	L	S	N	N	S	V	S	F	F	L	Y	N	L	D	100		
rat	L	K	M	Q	L	L	F	K	D	R	E	V	L	C	D	L	T	K	T	K	G	S	G	N	T	V	S	I	K	N	P	M	S	C	P	Y	Q	L	S	N	N	S	V	S	F	F	L	D	N	A	D	100		
rat mutant	L	K	M	Q	L	L	F	K	D	R	E	V	L	C	D	L	T	K	T	K	G	S	G	N	T	V	S	I	K	N	P	M	S	C	P	Y	Q	L	S	N	N	S	V	S	F	F	L	D	N	A	D	100		
mouse	L	K	M	R	L	L	F	R	E	R	E	V	L	C	E	L	T	K	T	K	G	S	G	N	A	V	S	I	K	N	P	M	L	C	L	Y	H	L	S	N	N	S	V	S	F	F	L	N	N	P	D	100		
consensus	L	K	M	Q	L	F	K	.	R	E	.	V	L	C	D	L	T	K	T	K	G	S	G	N	T	V	S	I	K	N	P	M	.	C	.	Y	Q	L	S	N	N	S	V	S	F	F	L	N	.	D	100			
human	H	S	H	A	N	Y	Y	F	C	N	.	L	S	I	F	D	P	P	P	P	F	Q	K	-	V	T	L	T	G	G	Y	L	H	I	Y	E	S	Q	L	C	C	Q	L	K	F	W	L	P	I	G	C	A	A	149
rat	S	S	Q	G	S	Y	F	L	C	S	.	L	S	I	F	D	P	P	P	P	F	Q	E	K	N	L	S	G	G	Y	L	L	I	Y	E	S	Q	L	C	C	Q	L	K	L	W	L	P	V	G	C	A	A	150	
rat mutant	S	S	Q	G	S	Y	F	L	C	S	.	L	S	I	F	D	P	P	P	P	F	Q	E	K	N	L	S	G	G	Y	L	L	I	Y	E	S	Q	L	C	C	Q	L	K	L	W	L	P	V	G	C	A	A	150	
mouse	S	S	Q	G	S	Y	F	F	C	S	.	L	S	I	F	D	P	P	P	P	F	Q	E	R	N	L	S	G	G	Y	L	H	I	Y	E	S	Q	L	C	C	Q	L	K	L	W	L	P	V	G	L	P	A	150	
consensus	S	S	Q	G	S	Y	.	C	S	.	L	S	I	F	D	P	P	P	P	F	Q	E	N	L	S	G	G	Y	L	.	.	I	Y	E	S	Q	L	C	C	Q	L	K	L	W	L	P	V	G	C	A	A	150		
human	F	V	V	V	C	I	L	G	C	I	.	L	I	C	W	L	T	K	K	K	Y	S	S	S	V	H	D	P	N	G	E	Y	M	F	M	R	A	V	N	T	A	K	K	S	R	L	A	G	M	T	S	199		
rat	F	V	A	A	L	L	P	G	C	I	.	F	I	V	W	F	A	K	K	K	Y	R	S	S	V	H	D	P	N	S	E	Y	M	F	M	A	A	V	N	T	N	K	K	S	R	L	A	G	M	T	S	200		
rat mutant	F	V	A	A	L	L	F	G	C	I	.	F	I	V	W	F	A	K	K	K	Y	R	S	S	V	H	D	P	N	S	E	Y	M	F	M	A	A	V	N	T	N	K	K	S	R	L	A	G	M	T	S	200		
mouse	F	V	V	V	L	L	F	G	C	I	.	L	I	I	W	F	S	K	K	K	Y	G	S	S	V	H	D	P	N	S	E	Y	M	F	M	A	A	V	N	T	N	K	K	S	R	L	A	G	V	T	S	200		
consensus	F	V	.	L	L	F	G	C	I	.	I	.	W	F	.	K	K	K	Y	.	S	S	S	V	H	D	P	N	S	E	Y	M	F	M	A	A	V	N	T	N	K	K	S	R	L	A	G	.	T	.	200			
human	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	199						
rat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200						
rat mutant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200					
mouse	L	R	A	L	G	R	G	E	H	S	.	S	C	Q	D	R	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200		
consensus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	216			

[illegible]

Figure 12

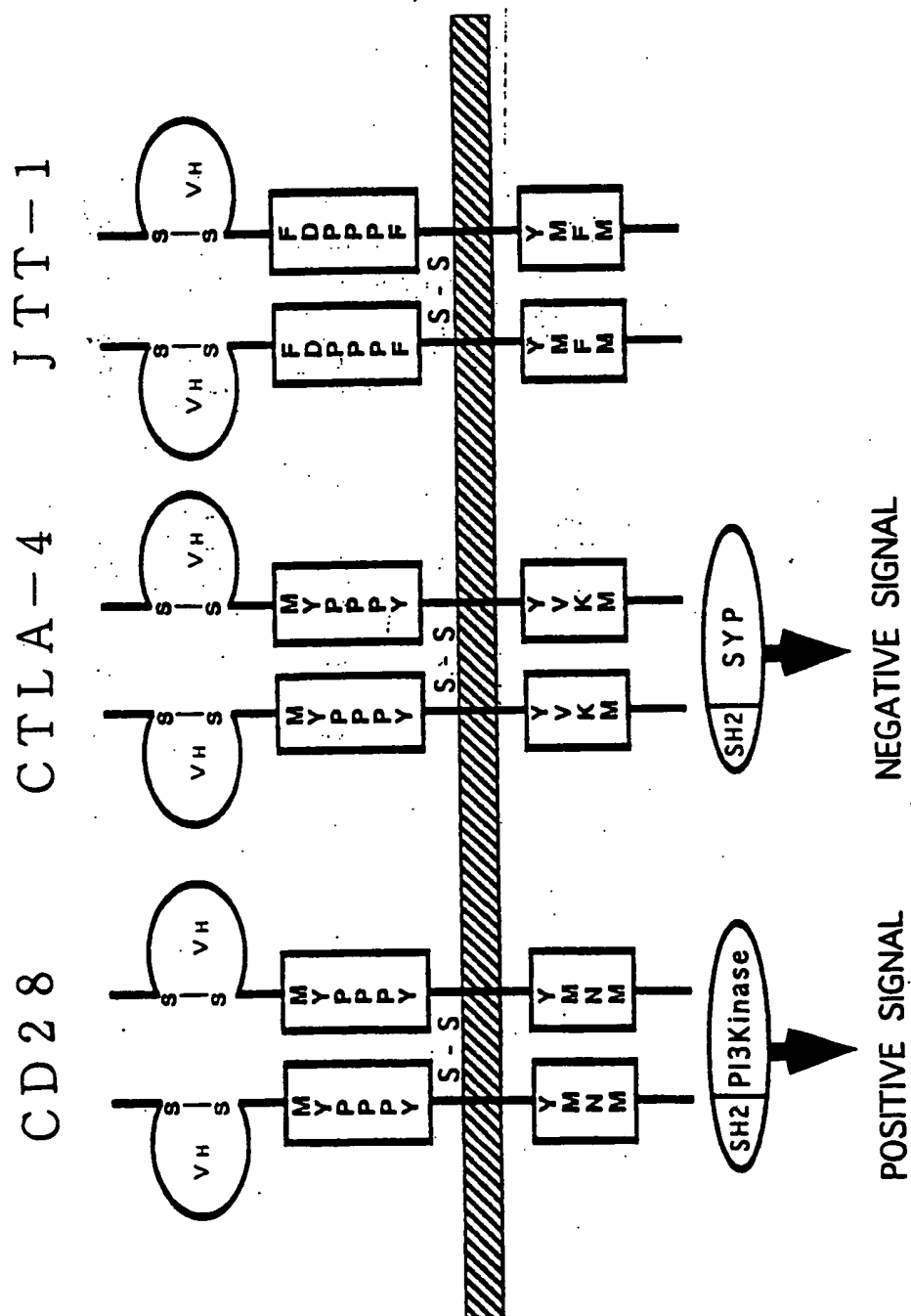


Figure 13

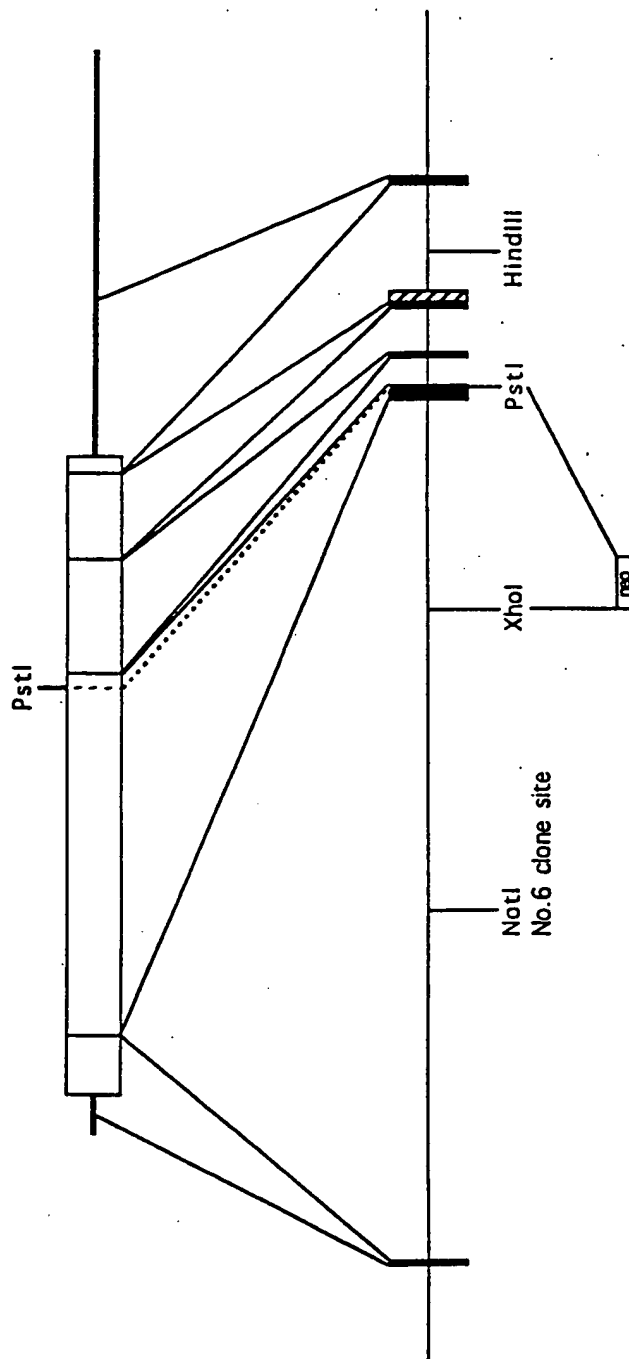


Figure 14

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rat	50	
rat mutant	50	
consensus	50	
rat	100	
rat mutant	100	
consensus	100	
rat	150	
rat mutant	150	
consensus	150	
rat	200	
rat mutant	200	
consensus	200	
rat	200	
rat mutant	216	
consensus	216	

Figure 15

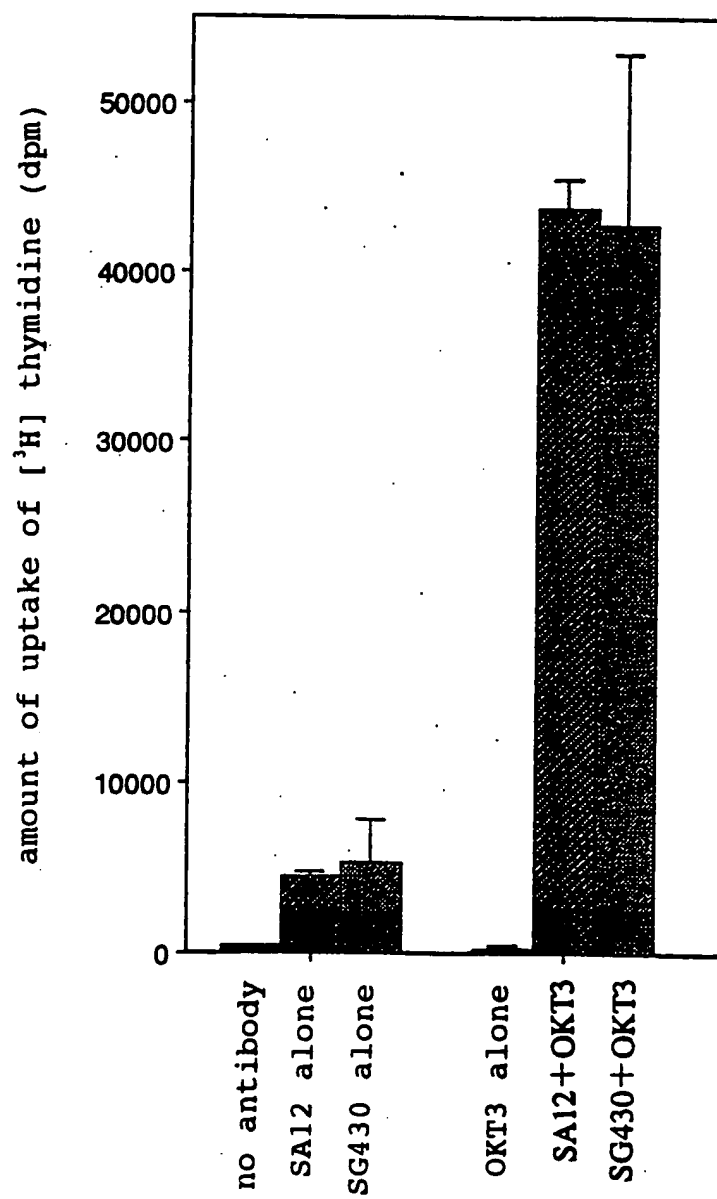


Figure 16

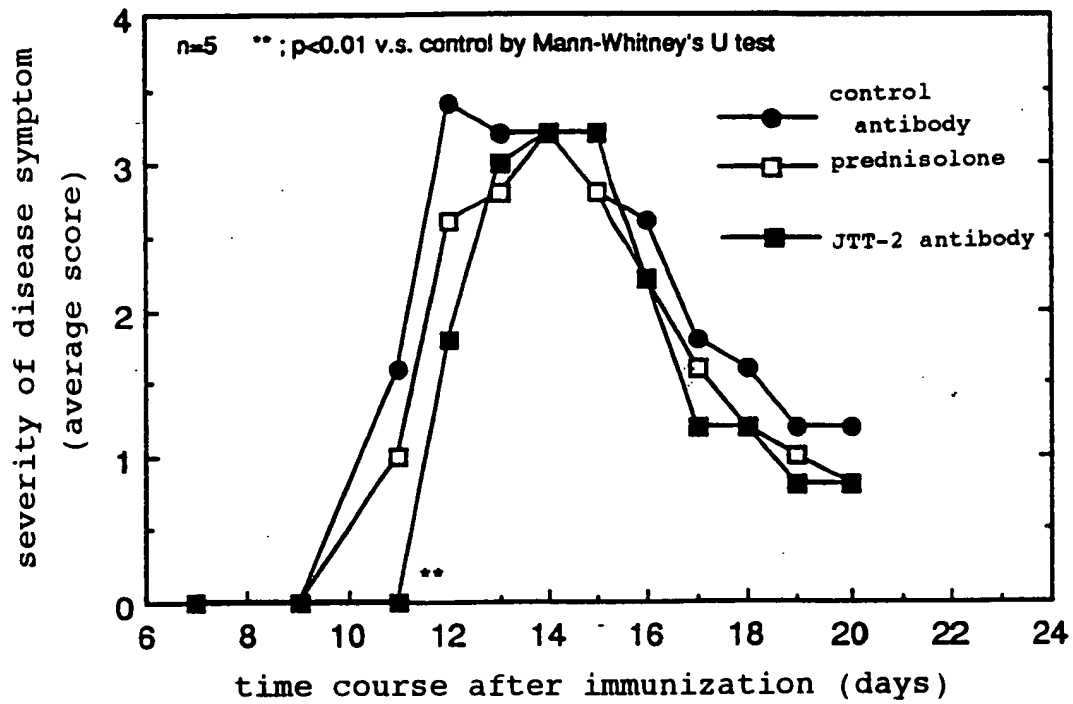


Figure 17

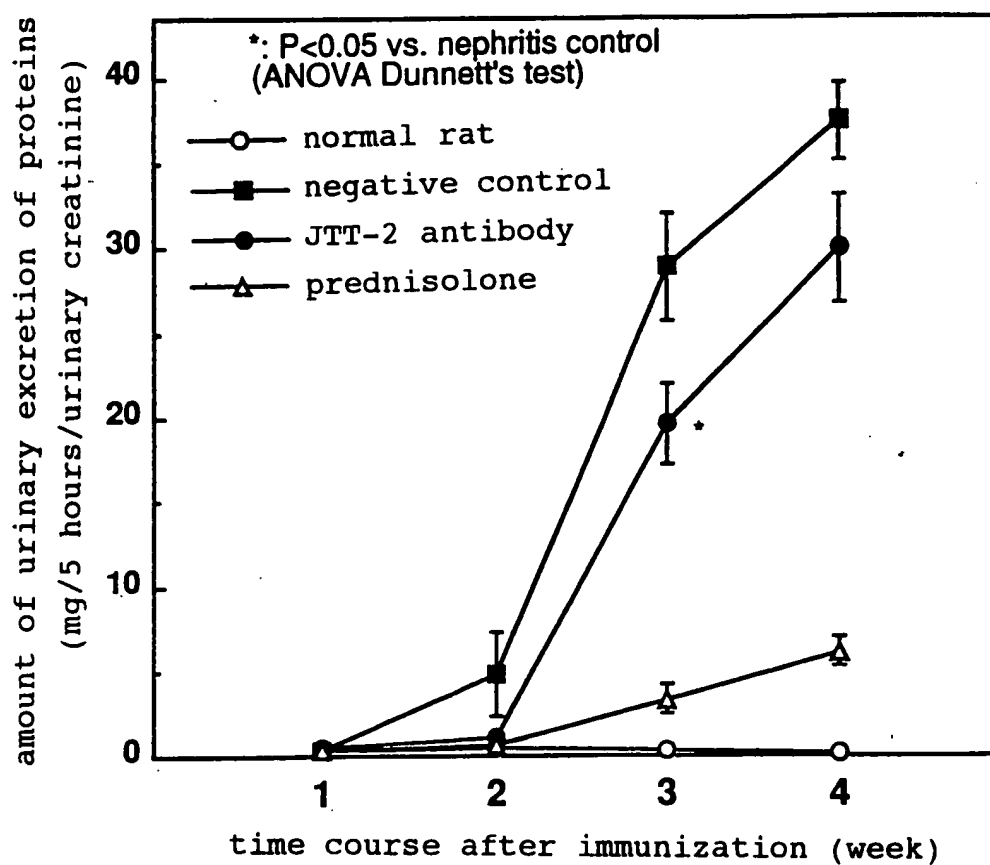


Figure 18

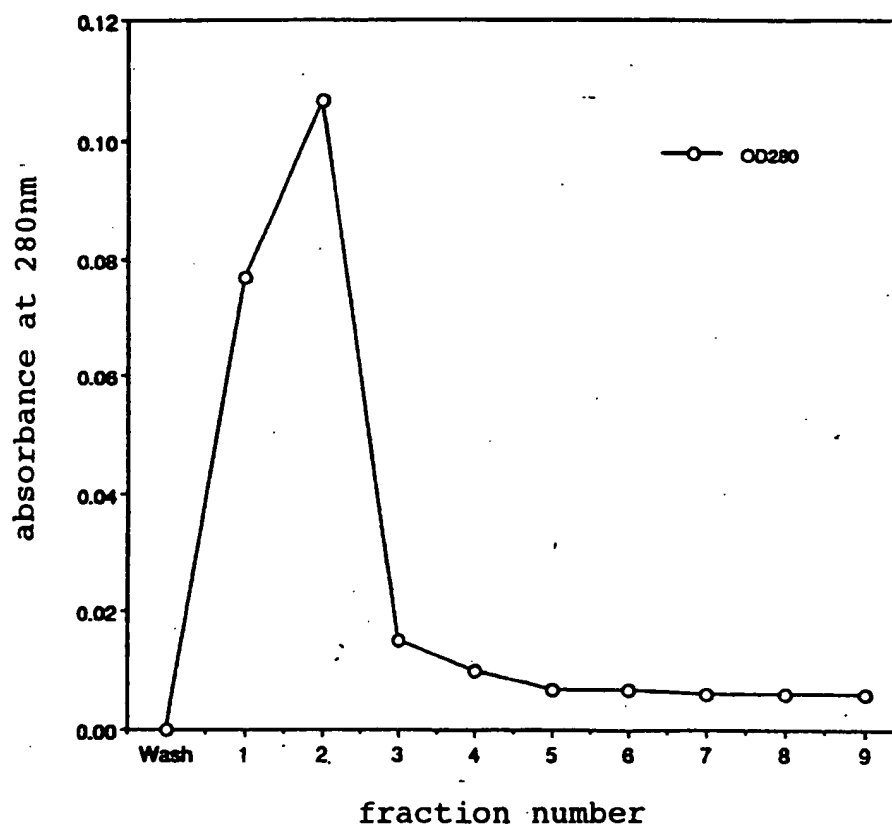
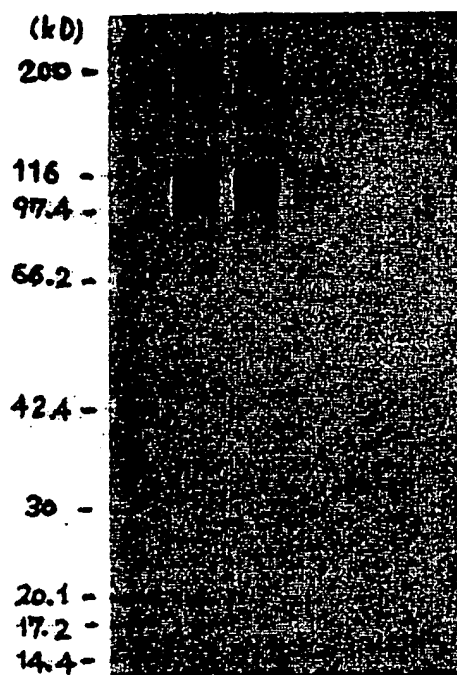


Figure 19



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Figure 20

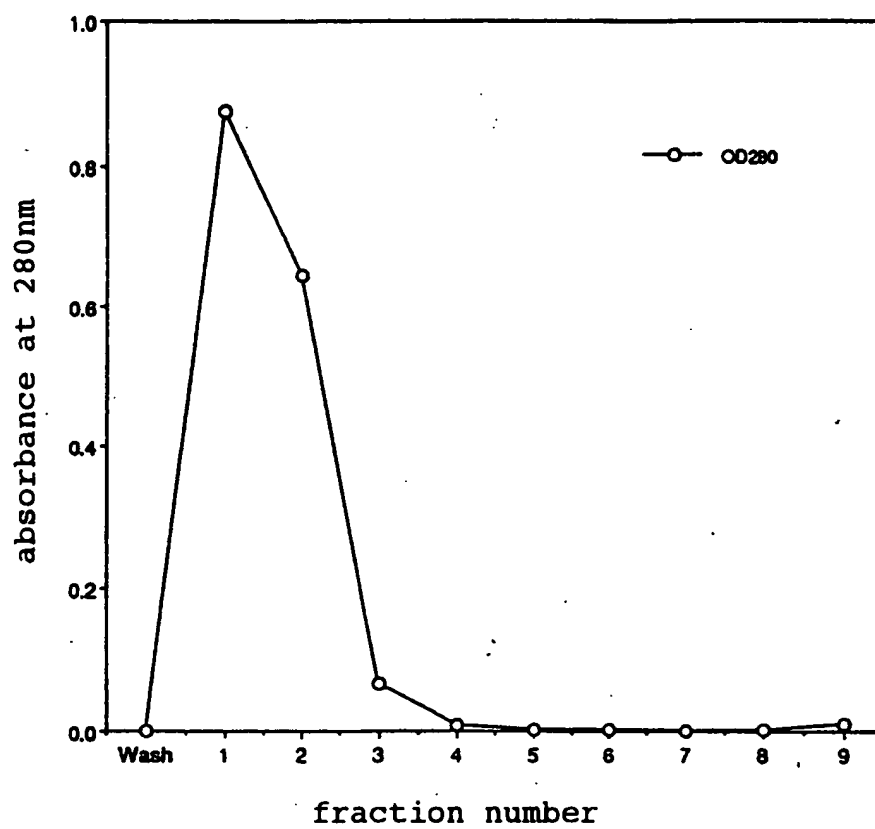
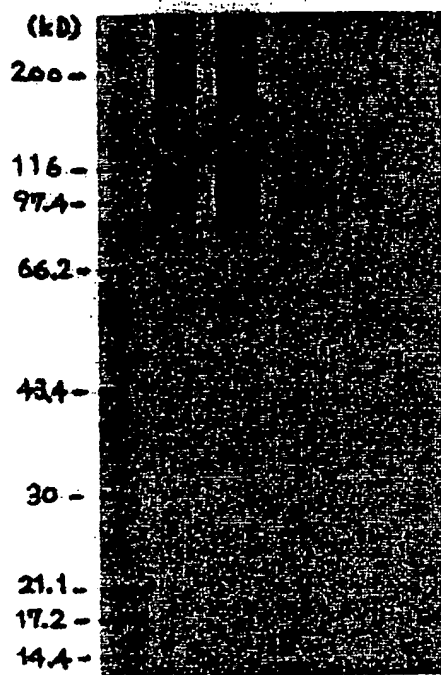


Figure 21



09383551.082699

Figure 22

